

AMENDMENTS TO THE CLAIMS

1. (Canceled)
2. (Currently Amended) ~~A DNA~~ An isolated DNA molecule coding for a peptide having an amino acid sequence ~~selected from the group consisting of SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 3, SEQ ID NO: 4, SEQ ID NO: 5, SEQ ID NO: 6, and SEQ ID NO: 7.~~
3. – 4. (Canceled)
5. (Withdrawn; Currently Amended) The DNA molecule of ~~Claim 4~~ Claim 2, wherein the codon usage of the DNA molecule is optimized for the cell used for expression of said DNA molecule.
6. (Withdrawn) A host cell comprising the DNA molecule of Claim 5.
7. (Withdrawn; Currently Amended) A host cell comprising the DNA molecule of ~~Claim 4~~ Claim 2.
8. (Withdrawn; Currently Amended) An expression vector comprising the DNA molecule of ~~Claim 4~~ Claim 2.
9. (Withdrawn; Currently Amended) A complementary DNA molecule that hybridizes with the DNA molecule of ~~Claim 4~~ Claim 2 under stringent conditions.
10. (Withdrawn) The complementary DNA molecule of Claim 9, wherein said stringent conditions comprise:

annealing at 20-25°C below the melting temperature, T_m , in 2 x SSC, wherein T_m is determined by the equation:

$$(T_m = 81.5^{\circ}\text{C} + \log_{10}[\text{Na}^+] + 0.41(\text{G+C content \%}) - (600/\text{sequence length})),$$

and washing at 12-20°C below the T_m with a salt concentration of 0.1 x SSC.
11. (Withdrawn; Currently Amended) A method of inducing cytotoxic CTL targeting to a HIV infected cell comprising:

expressing the DNA molecule of ~~Claim 4~~ Claim 2 in a host cell to produce a peptide of SEQ ID NO: 4;

obtaining said peptide of SEQ ID NO: 4;

administering said peptide of SEQ ID NO: 4 to a subject in need thereof.

12. (Withdrawn) The method of Claim 11, wherein said administering comprises a method selected from the group consisting of injection, aerosol, and transdermal application.

SUPPORT FOR THE AMENDMENT

Claims 1, 3, and 4 have been canceled.

Claims 2, 5, 7-9, and 11 have been amended.

The amendment of Claims 2, 5, 7-9, and 11 is supported by the corresponding claims as previously pending.

No new matter has been added by the present amendment.